# RELIGIOUS READING.

#### THE FIRST CHRISTMAS.

Out in one fields near Bethlebem, By night the Jewish shepherd Watched o'er his flock, lest upon the Might lion come, or icopard. There came no beast, but in the east, Amid the startight slonder, All in surprise he saw arise A star of radiant splendor.

It could not be the evening star, That in the west was blazing; This in the east o'er Jordan far Shone with a light amasing. Their eyes so oft had seen aloft Each flame-clad heavenly range Each flame-ciad heavenly ranger, That each they knew by token true. But no one knew this stranger.

And while they looked with bated breath And at the marvel wondered. And were it sign of life or death With growing terror pondered. Lo, suddenly, there seemed to be Lo, suddenly, there seemed to be A door set open o'er them, And robed in white an angel bright Came down, and stood before them.

Fear not, behold I bring," said he, "Good news of greatest wone To you, and people all that be This heaven of glory under. ord I bring that Christ your King. In Henventy love and pity, his day on earth has had His birth This day on earth and in David's ancient city.

Then instantly it seemed as though
The heavens were all on fire.
And down there marchedlin rank and row,
A glory-manifed choir,
Who stood and sang till echo rang—
So runs the ancient story—
That peace ngain had come to men,
And unto God all glory.
—A. R. Thompson, D. D., in S. S. Times.

#### PRAYER WEEK.

Programme of the Evangelical Alliance for the Week of Prayer, Commencing January 3.

The following are the topies for exhortation and prayer, as arranged by the Alliance:

SUNDAY, JANUARY 3.
Sermons—"Occupy till I come."—Luke 19:13.
MONDAY, JANUARY 4.
Praise and Thanksgiving—For the Spirit of
Prayer vouchsafed to us; for all the bounties
of Providence; for God's long-suffering goodness in that He has not taken away His Holy and many provocations; for His faithful promises in Christ Jesus; for continuing and multiplying opportunities of proclaiming Hi Gospel of grace; for the progress of Christian missions among Jews and Gentiles, and the free course given to the Word of the Lord, notwithstanding all the opposition of infidely and abounding injurity.—Psa. 147. 2 Sam. E:12:19. Psa. 116. 1 Chron. 29:10-15. Isaiah 6l. Acts 4:18:35. Isaiah 54.

TUESDAY, JANUARY 5. Humilistion and Confession—Na Humiliation and Confession—National sins; social sins; personal sins. Want of appreciation of the love of Christ; hardness of heart; unfaithfulness and slothfulness in service; labe shame in confessing the Name of Christ before men, and especially among our own class and kindred. Want of zeal in missionary work, both at home and abroad. Want of brotherly kindness and charity.—Isaiah 58. Psn. 51. Rom. 2. Cor. 3. Isaiah 47. Jer. 3: 12-23. 1 Thess. 5.

Pa. 31 Rom. 2. Cor. 3. Isaiah 47. Jer. 3: 12:3. 1 Thess. 5.

Wednesday, January 6.

Home and Foreign Missions—For the revival and increase of a Missionary spirit in the hearts of all who believe; for Home Missions and Evangelistic efforts—that more laborers, Iuli of the spirit of love and power, may be sent forth, and that a great ingathering of souls may take place; for Native Christians among the Heathen—that they may be kept stendfast and zealous in seeking the ealvation of their countrymen; for Missionaries and Teachers—that great grace and wisdom may be given to them; for God's ancient people, Israel—that they may be brought into the laith of Christ, and for the maintenance of religious liberty in all lands—Ezek. 37. Acts 19:32. 1 Thess. 1. Micah. 4. Zech. 4.

THURSDAY, JANUARY 7.

The Church and the Family—That the Church of Christ may be more united in the bonds of faith and love; that, holding fast the Head, it may grow with the increase of God; that it may be delivered from false aposties and wolves in sheep's clothing; that Christian as heep's clothing; that the grace and power of the Holy Spirit may rest more and more on Christian families; on all instructors and pupils in institutions of learning; on Sunday-schools and on Christian Associations of young men and young women.—Ephes, § 1-34. John 15: 1-12. John 1.

ing; on Sunday-schools and on Christian Associations of young men and young women.

Epines, 4:-34, John 15:1-12. John 17: 6-28, Col. 3: 1-17. Prov. 23: 73-25. Gal. 5. Acts 20: 28-28. Epistle Jude. Proverbs 4.

Nations and Governments—For rulers and all in authority: for the spread of justice and peace; for the defeat of malicious plots and conspiracies; for the manifestation of a Christian spirit between employers and employed; for the removal of all race and sectional prejudices; for the abolition of traffic in slaves, opium and intoxicating drinks, and all other immoral trades and practices; for a favorable reception of Christian miss-onaries by heathen rulers and peoples; and for the coming of Christ in His Kingdom—1Tim. 2:14. Psa. 11. 2 Tim. 3. 2 Thess. 2. Psa. 12. Rom. 13:18. Psa. 21. Matt. 21:23-51.

PSa. 11. 2 Tim. 3. 2 Thess. 2. Psa. 12. Rom. 13:18. Psa. 22. Matt. 24:2931.

SATERDAY, JANUARY 9.

The Christian Life—For increase of Faith, Hope and Charily; for the deepening of our spiritual life in Christ and such conformity to Him as may fit us for being more used for our Saviour's glory; for more love to the Biblie; for the better observance of the Lord's day and family worship; for the success of efforts to prevent or cure intemperance, to relieve the sick and to rescue the perishing; for benevolent institutions and Christian work of all kinds—Eph. 1:15-25. Matt. 6. I Cor. 13. Phil 2:1-16 and 4:1-13. Rom. 12. James I.

SUNDAY, JANUARY 10.

SEYMON, JANUARY 10.

Luke 12: 35-36.

# THE MEANING OF THE MANGER.

A "Sign", Not for the Shepherds Only, but for All Men, Everywhere, and in All Succeeding Time.

"He comes, His throne the manger; He comes, His shrine the stall. The ex and ass His courtiers, Who made and governed all."

We remember a birth we celebrate the coming of a child. This is the distinctive meaning and special emphasis of the glad Christmas time. The event was humble and, for the most part, obscure. And yet no birth was ever so heralded. The insignia of royalty, the tokens of Divine Kingliness, were not wanting, indeed. But these flamed, and voiced and faded in the upper spaces. The angel of the annunciation uttered to the wondering shepherds his "good tidings of great joy," and certi-iled them by a sign—"And this shall be a sign unto you; ye shall find the Babe wrapped in swaddling clothes, lying in manger." The true purpose was to so announce the birth of the Messiah as to correct the false notion concerning Him held by the Jews, who were expecting a national deliverer. It was easy for them to dwell on the idea of the Messiah as bearing "upon His shoulders" the government, but not as "a man of sorrows and acquainted with grief." And, therefore, the angel's first announce ment was such as to cause disappoint-ment; but there was no shock to the faith of the shepherds, for in the humble royalty they saw the deeper sense of prophecy, and already may have discerned, at least in some dim way, the coming, suffering, humiliation and To them, at any rate, the sign accomplished its design in awak-ening their slumbering faith. They believed in Him, and published the tidings of His advent. And it is proper and appropriate to stand beside the cradie of the Christ during this Christmas time, and to note some of the characteristics of that hour from which the religion of Jesus Christ, the world's

rengion of Jesus Carra, the world's Saviour, took its beginning.

The "sign", so-called, was not for the shepherds only, but for all men, everywhere, in all succeeding time.

The joy of the shepherds was the result of that that habeld by faith. of what they beheld by faith, and they were but the pioneers of sixty genera tions of those who by faith gaze into the depths of incarnation at the manger-bed of the infant Lord. The signs were the test tokens of the true Christ, and of the abiding characteristics of a Heaven-sent Christianity. The condition of penury and weakness has ever marked the religion of Jesus, and in the cradle of Christianity is found its predestined earthly form, as in the bud may be traced the shape and color of the coming blossom. To the theologian and to the Christian the sign of the manger and the swaddling clothes is now as full of meaning as to the shepherds of nineteen centuries The poverty of the incarnation is deeply significant. The lowly condition of the Babe was not merely a part of the scene, but its distinguishing characteristic. The Saviour was born in poverty in order that His incarnation might seem more real. In the East, unlike the West, poverty was accepted by the people generally as their legitimate condition, and "it was the Divine design that Christ should stand as a typal man, not an average man, which was quite a different thing. Christmas is the poor man's festival. It should flood the humble dwelling with light, and make the heart of the widow and the orphan to sing for joy; for by the manger-side we see "Him who was rich, for our sakes made poor that we, through His poverty, might

be made rich. The life of the Saviour, from first to last, was after the pattern of the manger. He yielded perfect obedience to paternal authority, though endowed with wisdom to confound the most learned and mighty. He served in a humble trade, and though in the past He had set up the pillars of the earth, and had formed the whole structure of the universe, He patiently wrought as a humble laborer at the earpenter's bench. During His public life He was dependent, in outward seeming. for food and shelter. He saw the light shining in happy homes and said: "The Son of Man hath not where to lay His head." He was the guest of publicans and sinners, and while the respectable and reputable and well-to-do of His day frowned upon Him, He dwelt, and talked, and companioned with the poor and the outcast. He touched the leper, fed the poor and wrought His mighty works for the unfortunate and suffer-He was so meek and lowly in ing. spirit that His whole life was filled with manifest tokens of the manger in Bethlehem, merged into that deeper mystery which enwraps the cross on Golgotha.

And the doctrine of Christ is marked by the same tokens. In the Sermon on the Mount He beatifies lowliness; "Blessed are the poor in spirit," and the entire sermon is but an unfolding of that text. It is not poverty of estate or of mind which is commended, but docility and humility which cause a turning to God, by the Holy Spirit. It is this which forms the foundation of Christian character; from this root all its right development is but the normal growth. The Gospel of Jesus Christ is emphatically the Gospel of the poor, but yet it is also a philosophy which addresses itself to the profoundest in-tellects. Here are "waters to swim And yet poor, toiling, suffering, illiterate and common-place people today do in reality find the Christ of Bethlehem and of the Christian doctrine to be one and the same Saviour.

Paul declares that God has "chosen the weak things of the world to confound the mighty," and it is not by earthly greatness and strength that Christ will bring the world to God, but by weak human beings. Twelve obscure fishermen from the lake shore; peasants from the fields, publicans from the receipt of custom, without learning, without an army, without a treasury, faced the opposing world, and founded on the foolishness of the Cross and the incredibility of the Resurrection the Christian church. It always has devolved on the weak and humble to sustain and carry it forward, and into the hands of such it shall be committed antil all shall bow before the Cross of Christ. "Not by might nor power, but by my Spirit, saith the Lord of Hosts." Again, those who have embraced the Gospel have their lives molded by its spirit, so that they do not inordinately lesire worldly riches or honors, thus indicating that the manger tokens are here also. The true disciple learns of Him who was "meek and lowly of heart," and is content with a humble station, and satisfied with a humbling faith. True Christianity is not of that human pride which rejected the Cross and only makes the life and death of Jesus a wonderful devotion to a humanitarian end. True Christianity, in thought, in feeling and action, is hu-mility, self-renunciation, and depend-ence for salvation and redemption upon another, even the Babe of Bethlehem and Christ of Calvary. Christian life must begin with confession of weakness, imperfection and sin, and thus it s that humility is the condition or exaltation. The shepherds and wise men were not idolators when they bowed before the lowly cradle, for in it was "God manifest in the flesh." So men to-day, may confess the Deity of Christ. So believing and confessing, we may indeed, with warm and glowing hearts. keep "Merry Christmas." "O holy Child! Thy manger streams
Till earth and heaven glow with its beams,
Till midnight moon's broad light has won,
And Jacob's star outshines the sun."

—Rev. W. P. Elsdon, in Chicago Stand-

—Colonel Ingersoll says that his "saints" are "Kepler, Galileo, Bruno, Herschel and Hæckel." Is it so? Kepler thanked God for the discovery of his three great laws. Galileo was a de-vout Christian, though in weakness he recanted a scientific theory of whose truth he was persuaded. Bruno was ourned at the stake, alas! As to Hæckel—well, he never attempted to galvanize into being a mythical, frand-ulent Miguel Abeytia, as Colonel Inger-soll did! Colonel Ingersell may ac-knowledge his saints, but none of his saints, we have reason to believe, would acknowledge Colonel Ingersoll.—Christian at Work.

# ALASKAN CREMATION.

An Interesting, Though Some what Startling, Ceremony.

We found the house of mourning a

few doors further on, and heard the sound of the beating staff of the mourners as they kept time to their mournful singing. We opened the door and entered. The room had been put in order for the occasion and hung with draperies, the end opposite the door, where the dead man was set up, being bung with the American flag. About fifty Indians, men, women and children, were seated around in the space between the fire and the counter or platform that runs all around the room, clad in their best blankets and preserving a solemn decorum. The covers had been taken from the four gaily painted pillars or talem posts that stood at the corners of the central square in the room. The dead Indian, set up on the floor as if alive, was covered with a blanket, except his head, which wore a crown, and near by stood his mask and some other fixtures. His face was painted with red, and there was nothing ghastly or deathlike in its look. We remained for some time, and were kindly treated. I was told that the singing, shaking of rattles and beating of leng sticks on the floor continues all night, and that when the time comes for cremating the body is usually taken out through the opening in the roof-never through the front door-and carried to the funeral pile. Although we were in attendance next morning at ten o'clock we were too late to see the initial proceedings, for we met the mourners with their long sticks returning from the fire, and when wa reached it, beyond the ranche on the beach, the body was nearly consumed. A pile of wood, large sticks four or live feet long, had been laid up, co:n-cobhouse-wise, and a smaller pile put inside, on which the body, wrapped in its blanket, was laid. Logs were then added, above the body, crossing others at the corners and lighted. A very great heat was time produced, and a few Indians in attendance used long poles to keep the burning sticks in place; some women were seated in the grass not far away. There was no odor, and complete decorum and decency so far as behavior was concerned. Still, I believe, some combat the cremating custom, which I think worthy of perpetuation. After the body is burnt, the ashes are gathered and put in a box or trunk, and deposited with the personal possessions in the tomb, which is erected over a spot in their cemetery, and consists of a small, square wooden house, the four sides the roof running up to a peak; these toy houses, six to eight feet high, are gaily painted and present a really picturesque appearance. I tried one day to make my way through an old part of the cemetery, but I found myself in a regular jungle of bushes and undergrowth, and could make no headway. The old dead houses were falling into decay, and everything inside them had been stolen or had perished, and grass and weeds grew up inside almost to the house roofs. The canoes of the dead, that had been hauled up by the houses, had also rotted; ravens croaked on all sides—it was almost dismal and funereal.—Sitka (Alaska) Cor. American Register.

# Composition of Platinoid.

The new alloy, known as "platinoid," is essentially nickel silver, with the addition of from one to two per cent. of tungsten. The color is white like silver, and the alloy retains a polish untarnished by exposure to the air for a long time. It is found, also, that it has a high degree of electrical resistance, with a small amount of variation in degree with changes of tempersture; qualities which, it is claimed by electricians, render the alloy peculiarly suitable for the construction of galvano-meters and resistance coils.—N. Y. In-

-The improved kind of explosive known as cocoa powder is said to possess such superior value for many purposes that it has been introduced into the famous Krupp factory, in Germany, It is asserted that, with equal pressure, this substance gives greater velocity to a ball than can be attained with ordinary powder, while its smoke is found to be less dense and to clear off more quickly.

-Towns are booming on Puget Sound. A letter received by a prominent real-estate dealer in Seattle from a friend now at Port Moody states that the whole peninsula bordering on Coal Harbor will be laid out in twenty-five foot town lots. The erection of Government works contemplated there will be at once entered upon. Vancouver, Granville and Port Moody are swarming with people.

-A Boston paper is making public the fact that two men who were dis-covered by Thackeray to have brains is well as blood were Bostonians. The dull Thackeray, however, did not one suspect that it was the Boston diet that made these Boston men. In fact, Thackeray did not know beans. - Philo delphia Press.

Some one says that long walks will reduce obesity. There is an air of probability in the statement. There are no fat men among the members of the several stranded opera companies now counting railroad ties between Western towns and New York.-Nor-

"Jimmy does the brains and get up the paper," said a country editor, in explaining to a subscriber how he worked things. "It is a picy Jimmy has been sick abed so long," said the subscriber, as he counted out the last cabbage on that year's subscription.—
Pittsburgh Chronicle-Telegraph.

-Chicago girls are taking to crazy quilt making for the winter. This is being done so that they will have indoor employment and thus keep them from going out and leaving huge footprints in the snow. Chicago girls are not as crazy as they appear.—Kentucky State Journal.

### MISSES' DRESSES.

There is a greater variety in the wool

goods used for the dresses of misses

Protty Dresses for Misses in Their Te

in their teens than for the smaller dresses; for these the rage is from cashmere and camel's-hair to the rougher serges, homespun, bison cloths, bourettes, and Cheviots, with tricots and the smooth-faced Amazon cloths worn by ladies. Velveteen and corduroy are liked for youthful toilettes, and there are elaborate combinations of silk with velvet or plush for gay occa-sions, but tasteful mothers prefer simple white muslin and wool dresses of light, delicate colors for school girls to wear at dinners, family parties, or in a box at the opera. Brown is a favorite color this season, rivaled only by the various shades of red, from the bright poppy red to dull wine-color. Self colors are preferred for misses, but there are many checks and stripes used, also large blocks and plaids of fancy colors for skirts to wear with plain colored waists. Basques with a vest, or else lapped to the left side at the top, and slop thence to the waist line, are liked for misses. The soft gathered vest remains in favor for slender girls, and is crossed by a belt at the waist line. Jacket fronts, curved or sloped away, are on basques that are in longer postilion shape behind. The Eton jacket with vest and sash is a jaunty design for young girls. Plain basques with very high standing collar and military trimmings of braid crossing the front are for well-grown The pleated and belted Norfolk jackets are made with kilt skirts, and also with draped skirts; this pleated jacket and the wool jersey waists are excellent garments in a school girl's outlit, as they may be worn with various skirts. Yoke waists fastened behind with pleats from yoke to belt are among the prettiest for girls, and are seen or their dark dresses for every day as well as on the lighter dresses for evening.

Short apron over-skirts are pretilest for young girls; the apron may be drawn across in many wrinkles, and its edges merely stitched or turned under, or by way of trimming a revers may be turned up on the left side in milkmaid fashion: the back is formed of a wide breadth pleated across the top and down one side, then sewed to the belt to drop in a point. The sash backs are also liked made of two wide loops and two ends of the dress goods doubled, and fringed across the straight ends. Sashes of ribbon of great width are worn with mus-

lin or wool evening dresses Girls fourteen years old wear their skirts long enough to come within two their shoes; those sixteen inches of years old have them reach to their ankles. A good foundation skirt of alpaca is in most dresses, and the overskirt and lower skirt are draped upon this. There is a pad bustle and a short steel spring across the back breadth in many dresses, but these must be very small, or they will be obtrusive and ungraceful. Extremely narrow and very wide kilt pleats are used for girls' skirts; others have wide double box pleats all around, with one passing up to the belt on the left side over th apron. Full gathered back breadths with braided panels on the sides and box pleated fronts are stylish skirts. Large buttons sometimes take the place of braid on the panels. A wide band of plush or of velvet, or many rows of Hercules braid, are placed

around the pleated skirts of wool dressos. White camel's-hair, veiling, surah, or mull dresses for evening are made with a Gretchen guimpe of embroidery or of lace and a full round tucked skirt, and are worn with a white watered or satin ribbon sash, or else one of bright Roman striped ribbon. A high pointed waist laced behind may be used for surah dresses with the wide sash bow and ends starting under the point behind. A dog-collar of velvet is tied in a high bow around the neck inside the lace frill, or there may be rows of beads forming a tight necklace. White plush, or white Astrakhan or swan's-down, is sometimes worn around the high collar and on the elbow sleeves of white wool dresses. - Harper's Bazar.

# TUBERCULOUS COWS.

A Claim That Their Affliction Can Be Transmitted Through Milk and Mest. In a report recently addressed to the

Town Council of Hull, Dr. Mason, Medical Officer of Health for the borough, expresses himself very strongly as to the results which may follow on the consumption of milk from tuberculous cows. His attention having been drawn to the fact of tuberculosis coming from milch cows, he visited a dairy, and having the support of a veterinary sergeon to the effect that the disease did actually exist in a cow, he gave instructions to the proprietor not to sell the milk for food, and obtained samples of the milk for microscopical and chemical examination; the cow was also kept under observation. The sputum was found to contain tubercular bacilli, and pus cells were visible in the milk. The milk, it is stated, was peculiar in containing a much larger proportion of fatty matter than is contained in healthy milk. The cow was finally purchased by Dr. Mason for fifty shillings; she was in an emaciated condition, and when slaughtered tubercles were found. The dura mater and lungs were in an ad-vanced condition of taberculosis, as were also the liver and some glands.

Dr. Mason, having detailed these facts, goes on to assert that bovine tuberculosis is an infectious disease, which can be transmitted by the indigestion and inoculation of tuberculous matter, and by giving animals the flesh and milk of uberculous beast. Cows affected with tuberculosis are, he alleges, generally good milkers. The disease be states, is hereditary and transmis sible to the human species through the milk and flesh, should these articles be uncooked or insufficiently cooked.-

There is a delightful touch of the condescension which the people of a su-perior civilization bestow upon inferiors in the remark of the visiting Japanese official who was taken to see "The Mikado" in New York the other night. "It is ridiculous to us Japanese," he said, "but I think it is amusing to you Americans."—N. Y. Times.

### HOG CHOLERA.

Official Directions for the Prevention and Cure of the Scourge.

The Massachusetts Commission on contagious diseases among domestic animals have issued the following letter to the public:

So many cases of sickness among swine have recently been reported, stal so much alarm is felt by both feeders and consumers, that it is deemed advisable to acquaint the public with some of the facts regarding the swine distemper commonly called hog cholera, or the swine plague of modern veterinarians. The disease is not new. It used to be frequently found prevailing among the store swine driven from the Western States to the Eastern markets, and some years it was so prevalent at Brighton that many farmers were deterred from purchasing their supply of pigs for feeding at market, or from any of the droves which had come from the West. As the feeding of hogs in the West has increased as an industry, this dis-ease has also increased It has been so destructive during the past ten years that the United States Govern-

ment, through its Department of Agriculture, and otherwise, has expended freely for the services of experts to study and investigate it, and it is to the researches of such veterinarians as Drs. Law, Detmers and mon that we have learned what little is known regarding the nature of this All authorities agree that the diseaso (anthrax, swine plague, hog cholera,

or by whatever other name it may be called) is highly contagious, and that it owes its existence in any given locality, when found, to a seed planted, just as much as a field of corn or a patch of weeds by the roadside owe their exist-ence to seed planted. By what means the germs of hog cholera are conveyed from one point to anoher in each particular case, it is not always easy to de termine. It is possible that it may be carried upon the feet of rats or birds, which frequent swine pens and migrate from one locality to another. The excrements and the scabs from surface sores, when dried and ground to dust may be picked up and carried to considerable distances by strong winds, and find lodgment in localities favorable to the spread of the disease. Brooks and rivers may also carry the germs to localities down the stream.

But the investigations of the commission during the past few months in which the disease has prevailed in Massachusetts, point in but a single direc tion for its origin, and that to the Western hogs which are brought to our market weekly over the railroads.

The disease has been unusually prevalent at some of the sources of supply during the past year, and the nature of the malady is such that it would be next to an impossibillity to determine to a certainty at the shipping points that no hogs which had been exposed to the disease were being received with the healthy ones, nor is it always an easy matter on the arrival of the hogs at their destination to determine whether certain ailing ones are affected with the disease or only weak from their long ride in crowded cars..

The most skillful veterinarian can not in many cases pronounce upon the disease without a post-mortem examination, and not always then till the intestines have been cut open and their inner surface exposed, a precaution not to be expected in ordinary practice at the abattoirs.

With scarcely an exception, thus far, no case of well-defined hog cholera has come to the notice of the Commissioners that could not be traced to diseased pork direct, or to city or other swill which probably contained it in some form or other. Beef has been high, pork low, and at the cheaper class of boarding-houses a large consumption of fresh pork would be expected. In preparing it for the pot or the oven any little bloody or discolored bits would naturally be trimmed off, and, with the skin in some cases, be thrown in the swill barrel, whence it goes to some farm in the country to be fed to swine.

To allay any unreasonable fears concerning the use of Western pork, or any pork as an article of food, it should be stated that so far as known hog cholera is never taken by man; and further, that in case the germs of the disease may exist in a sample of pork, the heat required for thoroughly cook ing it would in all probability render it safe food even for swine.

The obvious cautionary measures, therefore, to be recommended both to city consumers and farmers, are to guard the swill barrels from receiving any scraps or bits of raw pork or pork blood, from any source whatever. Farmers who collect swill should refuse to receive it except from such families as can be trusted in the matter; otherwise they should take the risk at

their own peril.

If the disease breaks out in a herd, keep the herd completely isolated as long as danger exists. It is advisable to separate the sick from the apparent-ly healthy, and to give the latter in their food carbolic acid, ninety-five per cent., at the rate of ten drops to each one hundred and fifty pounds of live hog, three times a day. This is not ex-pected to cure badly diseased animals, but it is believed will have a tendency to destroy germs that may obtain ac-cess to the food of feeding places. Pens where the disease has existed should be thoroughly cleaned and drenched with weak solutions of carbolic acid. The manure should be carted to the field and plowed in. A sandy soil is to be preferred, as favoring more rapid decomposition. Piling the manure and forking it over two or three times till it is thoroughly heated in all its parts will tend to destroy the germs of the disease. As freezing does not destroy, but only seems to render the germs still more virulent, it can not be deemed reprostly as to in the deemed reprostly as to in the deemed reprostly as to in the deemed reprostly as to interest the deemed reprostly as to interest the deemed reprostly as to be deemed reprostly as the deemed reprostly be deemed perfectly safe to introduce a new lot of healthy swine into pens where the disease has existed till sev-eral months have expired, and prefer-ably not till after the heat of summer

ably not till after the neat or summer has had its purifying effect.

Bury all hogs dying from the disease deeply and securely against molestation by dogs or by other swine. The earth over a shallow burial may become an active source of contaction

USEFUL AND SUGGESTIVE.

-There are produced annually in this country about 13,000,000 lambs. —If you wish to produce give that will resist water, boil one pound of glue in two quarts of skimmed milk.—Ex-

-For sore eyes, dissolve fifteen grains of acetate of zinc in half a pint of soft water (rose water is the best) and apply it to the eyes several times a day.—Toledo Blade.

—A New Jersey lady took the late clippings from her lawn, pressed them into a tight box, covered and weighted the same, making a miniature silo. The silage is for her hens this winter, when they will be hankering after green. when they will be hankering after green

—It will be profitable to keep a sup-ply of fine, flexible wire, twine, tacks, brads, different sized nails, screws, etc., for the purpose of making immediate repairs. The lack of five cents' worth of material has often caused a dollar's expense.-N. Y. Times.

-A Colorado paper says that "the cow may be a queen, the horse king. and the sheep away up in royal honors, but it is an indisputable fact that the hog, under the impetus of alfalfa and pea food, is approaching dangerously near the throne.

-A New Hampshire man keeps five hundred fowls, all healthy and layers. He scatters them over his farm, which is four hundred acres in extent, in flocks of twenty-five to fifty, provid-ing for each a cheap house 9x13 feet. Their broad range is the secret of his

-There are 285,000,000 acres of improved land in the United States, 450,-000,000 of forest, and 730,000,000 acres of unimproved and waste untimbered land. Forests are disappearing at the rate of 25,000,000 acres each year. The forest product during the last census year was 18,000,000,000 feet board ure; a year ago it was 28,000,000,-000 feet.

-To Trap Rats: Set a steel trap in the place where the rodents most do congregate and spread over it a piece of thin white muslin about two feet square; over the muslin spread cake and cheese erumbs. Having no fear of evil from a white cloth, in eating the crumbs the rats are sure to get into the trap, and the cloth does not prevent the th from holding them. -Rural New Yorker.

-An agricultural college which has been experimenting with poultry, says: In seeking to improve the common barn-yard fowls of the country by crossing with the pure races, a great mistake was made, the crosses or grades proving inferior to either parent. Commo fowls may be vastly improved by care-ful selection in breeding, and the pure races can be kept up to the standard by avoiding in-and-in breeding, but the attempt to improve by crossing has never been satisfactory.—Chicago Tribune.

-Cracker Padding: Three eggs, one half cracker crumbs, one-half cup of sugar, one tablespoonful butter, one cup of milk, one-half of a lemon—juice and grated peel, three tablespoonfuls of jam. Heat milk and crumbs together until scalding. Turn out to cool, while you rub butter and sugar to a cream, adding the lemon. Stir in beaten yolks, soaked cracker and milk, at last the whites. Butter bake dish, put jam at the bottom, fill up with the mixture and bake, covered, one-half hour, then brown. Eat cold with sifted sugar on top, or, if you like, put a meringue over it before taking from oven. - The Household.

# READ AND REFLECT.

Why Some Farmers Fail in Everything They Undertake.

They will not make compost. They breed to and from scrubs. They do not curry their horses. They have no shelter for stock. They put off greasing the wagon. They are wedded to old methods. give no attention to details. They have no method or system. They see no good in a new thing. They let their fowls roost in trees. They weigh and measure stingily. They leave their plows in the field. They hang their harness in the dust. take no pleasure in their work. They never use paint on the farm. They prop the barn door with a rail. They milk the cows late in the day. They starve the calf and milk the

They think small things not impor-They let their gates sag and fall down. They do not keep up with improve-

They don't know the best is the cheap-They do not read the best books and

newspapers.

They think the buyer of a successful neighbor's stock at good prices is a fool, and the seller very "lucky."

They sell hay, grain and straw off the farm instead of turning them into meat, cheese and butter, and increasing their supply of manure.—Farm and Home.

#### MIXING FEEDS. An Important Work the Principles of

Which Are Understood by But Few The principle of mixing feeds is a matter that most farmers know very little about. The general principle running all through the art of feeding is that there are two objects to be obtained—one to make bone and muscle and the other to make fat. The former are called carb-hydrates and the latter albuminoids. Thus we have classed as carb-hydrates, hay, straw, cornstalks and other roughness, while the albumi-noids are bran, oil-meal and ground leed generally for making fat and milk. In the well-balanced ration there should In the well-balanced ration there should be mixed in the ratio of 12 1-2 pounds of the former to 2 1-2 pounds of the former to 2 1-2 pounds of the latter. Hiram Smith, an excellent authority, says: "All animals of about 1,000 pounds in weight should have daily twenty-four pounds of dry organic food substance, which means thirty pounds in ordinary condition." From this formula the farmer can classify the stock feed he the farmer can classify the stock feed he has on hand, and make up his ration in has on hand, and make up his ration in the proportions generally set out above. This is generally done correctly from long experience, but it is well to know something of the reason of things which may account for some errors that ex-perience has not been able to explain. rican Dairyman.